CITY AND COUNTY OF HONOLULU

650 SOUTH KING STREET, 3RD FLOOR
HONOLULU, HAWAII 96813
Phone: (808) 768-8305 • Fax: (808) 523-4730 • Internet: www.honolulu.gov

MUFI HANNEMANN MAYOR



December 5, 2007

WAYNE Y. YOSHIOKA ACTING DIRECTOR

RICHARD F. TORRES DEPUTY DIRECTOR

The Honorable Barbara Marshall, Chair and Members
Honolulu City Council
530 South King Street, Room 202
Honolulu, Hawaii 96813

Dear Chair Marshall and Councilmembers:

Subject: Honolulu High-Capacity Transit Corridor Project Request for Information on Vehicle Technologies

We submit a copy of the Request for Information (RFI) (Attachment 1) that was posted on the City's purchasing website on December 5, 2007, and the list of potential transit system suppliers that were notified of the RFI (Attachment 2).

The RFI requests suppliers of fixed guideway transit vehicles to complete an Information Package. The Information Package consists of a description of the Project's systems and vehicle characteristics and three questionnaires. The due date for responses is January 11, 2008.

Please contact Toru Hamayasu at 768-8344 if you have any questions regarding the RFI.

Very truly yours,

Wayne∕Y. Yoshioka

Acting Director

APPROVED:

Wayne M. Hashiro, P. E.

Managing Director

Attachments

Dept. Com. No. ___

858

AR00009392

INFORMATION PACKAGE

SYSTEM CHARACTERISTICS QUESTIONNAIRE NOTICE TO FIXED GUIDEWAY SYSTEM VEHICLE SUPPLIERS REQUEST FOR INFORMATION (RFI 001)

The City and County of Honolulu (City) is currently conducting engineering and technical studies to support the preparation of environmental impact statements (EISs) for the Honolulu High-Capacity Transit Corridor Project (HHCTCP). The HHCTCP's Locally Preferred Alternative (LPA) is a fixed guideway transit system from Kapolei to the University of Hawaii at Manoa and to Waikiki. The Final EIS will focus on the LPA's minimum operable segment (First Project) and must be based on a selected fixed guideway transit vehicle technology. The selected technology will be the basis for any future procurement of fixed guideway vehicles.

To assist the City in evaluating existing technologies, suppliers of fixed guideway transit vehicles are invited to complete the Information Package that accompanies this notice. The Information Package consists of a description of the First Project's systems and vehicle characteristics, and three sets of questionnaires. Information regarding the HHCTCP, its current status, and general alignment of the First Project are available on the web site www.honolulutransit.org.

The City reserves the right to contact respondents for additional generic information. The City also reserves the right to incorporate in a future solicitation for fixed guideway vehicles, if issued, any recommendations presented in the responses to this Request for Information or in any written communications or during any oral discussions with respondents. If the City desires to use proprietary or confidential information submitted by a respondent, the City shall first obtain the written permission of the respondent prior to its use. Other than this obligation regarding the use of proprietary or confidential information, neither the City nor any respondent to this notice has any obligation to the other under this Request for Information now or in the future.

Submittal Requirements

- 1. Respondent contact information:
 - · Name, address, telephone, fax and E-mail of the submitting supplier; and
 - Name, address, telephone, fax and E-mail of the submitting supplier's designated representative.
- 2. Responses must be clearly marked with the City's RFI number (RFI 001).
- 3. Specific proprietary or confidential information contained in the responses must be clearly marked as such.
- 4. Responses to the questionnaires attached hereto are requested to be in electronic format using standard file formats such as Microsoft Word, Excel or PowerPoint or in Adobe PDF equivalents. Drawings should be in an Adobe PDF file format. Hard copies will also be accepted.

INFORMATION PACKAGE SYSTEM CHARACTERISTICS QUESTIONNAIRE

Deadline and Instructions

- 1. Submit the completed Information Package no later than Friday, January 11, 2008, 4:00 PM, Hawaii Standard Time.
- 2. Electronic submittals should be sent to transitmailbox@honolulu.gov. No electronic executable files, e.g. files with .zip or .exe name extensions, will be accepted.
- Hard copy submittals consisting of one original and five (5) copies should be mailed to:
 Division of Purchasing
 Department of Budget and Fiscal Services
 530 South King Street, Room 115
 City Hall
 Honolulu, Hawaii 96813
- 4. Direct any inquiry regarding this Request for Information to transitmailbox@honolulu.gov.

MARY PATRICIA WATERHOUSE, DIRECTOR Department of Budget and Fiscal Services

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City and County of Honolulu

ATTACHMENT TO NOTICE TO FIXED GUIDEWAY SYSTEM VEHICLE SUPPLIERS REQUEST FOR INFORMATION (RFI 001)

INTRODUCTION

To supplement and expand its understanding of available fixed guideway transit system vehicle technologies, the City and County of Honolulu (City) invites fixed guideway transit vehicle manufacturers and suppliers to submit written materials in response to this RFI describing their particular fixed guideway transit technology(ies) and identifying how the technology(ies) address(es) the fixed guideway systems and vehicle characteristics of the minimum operable segment (First Project) of the Honolulu High-Capacity Transit Corridor Project's Locally Preferred Alternative. The goal of the RFI is to provide the City with detailed information concerning available fixed guideway transit vehicle technologies for use by the City in selecting a technology for the First Project and structuring a potential future procurement for fixed guideway transit vehicles.

The City is not obligated to inform respondents of the reasons for, or the details of, its technology selection. The City reserves the right to incorporate in a future procurement, if issued, any recommendation presented in the responses to this RFI. If the City desires to use proprietary or confidential information submitted by a respondent, the City shall first obtain the written permission of the respondent prior to its use. Other than this obligation regarding the use of proprietary or confidential information, neither the City nor any respondent to this RFI has any obligation to the other under this RFI now or in the future.

INFORMATION PACKAGE

The Information Package consists of a description of the First Project's systems and vehicle characteristics and three sets of questionnaires which should be completed in their entirety:

- · Technology Characteristics Questionnaire,
- Vehicle Characteristics Questionnaire; and
- System Characteristics Questionnaire.

The City strongly encourages the submission of additional technical or promotional material with the completed Information Package. The additional information may include technical data, photographs, system design drawings, specifications, documentation and narrative descriptions explaining the technical aspects and proven characteristics of the technology, and any modifications to the technology that may be needed to accommodate the First Project's characteristics.

Information on more than one technology may be submitted. A separate Information Package should be completed for each technology. All information submitted will be subject to public disclosure under the Hawaii Uniform Information Practices Act (Hawaii Revised Statutes Chapter 92F) unless clearly marked "CONFIDENTIAL" or otherwise identified as proprietary or confidential information. If specific information is identified as proprietary or confidential, that information will not be subject to public disclosure, unless the respondent has given its written

Attachment to Notice to Fixed Guideway System Suppliers Request for Information Honolulu High-Capacity Transit Corridor Project

permission. All other information not specifically identified as proprietary or confidential information will be subject to public disclosure. The City will not be responsible and a respondent cannot hold the City liable for the disclosure of proprietary or confidential information submitted in response to this RFI that is not properly marked or identified as proprietary or confidential. Blanket-type identification by designating the entire response, whole pages or sections as containing proprietary or confidential information is not permitted and will be invalid.

INFORMATION PACKAGE FIRST PROJECT SYSTEM CHARACTERISTICS

The following characteristics are provided for an understanding of the currently planned system. All system characteristics are subject to change if a supplier provides convincing evidence that it would be in the City's best interest to do so. They have been deemed to be practical requirements for planning the system, but if a technology cannot meet one or more of these characteristics, we would like to hear what changes the supplier would propose and any reasons why the City should consider making a change.

1. Route Length:

Approximately 20 miles.

2. Station Spacing:

Approximately 1 mile (19 stations).

3. Station Length:

300 ft. maximum.

4. Guideway:

- Dual guideway, 20 miles each direction.
- 5. Mostly elevated and grade separated guideway.

6. Right-of-Way Type/Speeds:

- Completely exclusive/private: 55 mph or more,
- Fenced exclusive 55 mph or more.

7. Route Geometric Constraints:

- Minimum horizontal radii:
 - Maintenance Facility: 150 ft.;
 - Elevated Structure: 400 ft.
- Minimum horizontal lengths:
 - Curves: 100 ft.;
 - Tangents: 100 ft.;
 - Spirals: 100 ft.
- Vertical alignment:
 - Maximum line grade: 6%;
 - Maximum station grade: 1%.

8. Horizontal/Vertical Clearances:

Dependent on transit technology chosen, but in accordance with best practice and local requirements.

Attachment to Notice to Fixed Guideway System Suppliers Request for Information Honolulu High-Capacity Transit Corridor Project

INFORMATION PACKAGE FIRST PROJECT SYSTEM CHARACTERISTICS

9. Diverging / Crossing Requirements:

- Turnouts: yes;
- Crossovers: yes.

10. Line capacity:

- Maximum projected: 9,000 passengers per hour per direction (pphpd);
- Minimum headway: 2-3 minutes

11. Hours of Operation:

- 4:00 a.m. to 12:00 a.m. service day;
- 6:00 a.m. to 9:00 a.m. morning peak;
- 3:00 p.m. to 6:00 p.m. evening peak.

12. Average Speed:

 End-to-end trip time of 40 minutes making all stops with a 20 second dwell time at each station.

13. Station Dimensions:

- No platform screen doors;
- Platform length: 300 ft. maximum;
- Center platform width: 26 ft. desirable minimum;
- Center platform width: 24 ft. absolute minimum;
- Side platform width: 14 ft. desirable minimum;
- Side platform width: 12 ft. absolute minimum.

14. Emergency Evacuation Walkways:

- Must be continuous along entire guideway;
- Must be accessible from vehicle.
- Minimum evacuation walkway width: 2'-6";
- Minimum evacuation walkway height: 6'-8";
- Minimum maintenance walkway width: 2'-0";
- Minimum maintenance walkway height: 6'-8",
- Walkway width must be clear of the vehicle dynamic envelope;
- Walkway around switches must meet state and local requirements.

INFORMATION PACKAGE FIRST PROJECT SYSTEM CHARACTERISTICS

15. Traction Power:

- Dependent on transit technology chosen;
- Substation spacing: approximately 1 mile;
- Substation size: approximately 2.0 4.0 MW.

16. Train Control / Signal System:

- Fully automatic train operation (normal);
- Back-up manual operation: train operated by Line of Sight (LOS) with wayside signals.
- Fully automatic bi-directional operations capability

17. Communications:

- Operations Control Center (OCC): yes;
- High Speed Cable Transmission System: yes;
- Public Address (PA): yes;
- Station platform Variable Message Signs (VMS): yes;
- Radio system: yes;
- Telephone system: yes;
- System-wide Supervisory Control & Data Acquisition: yes;
- System-wide Closed Circuit Television security coverage: yes;
- Fire and emergency management system: yes.

18. Fare Collection:

- Self-service honor system with Proof of Payment: yes;
- Station Ticket Vending Machine: yes;
- Station Ticket Validators: yes

19. Noise and Vibration:

• Levels and criteria as established by the Federal Transit Administration (FTA)

Transit Noise and Vibration Impact Assessment Guidance Manual or better: the
First Project will have a maximum combined goal of 75 dBA at station platforms.

20. Other Characteristics:

- Facilities and vehicles must be fully accessible and meet all the Americans with Disabilities Act (ADA) requirements, including U.S. Department of Transportation regulations at 49 CFR Part 38, Transportation for Individuals with Disabilities:
- Meet all Buy America requirements; and
- The technology must be cost-effective to operate and maintain.

Attachment to Notice to Fixed Guideway System Suppliers Request for Information Honolulu High-Capacity Transit Corridor Project

INFORMATION PACKAGE FIRST PROJECT VEHICLE CHARACTERISTICS

1. General:

- Attractive appearance;
- Electric propulsion;
- High floor,
- Fully automatic train operation (with manual back-up);
- Bi-directional vehicles;
- Third rail or equivalent current collection (no Overhead Contact System);
- Dynamic braking (regeneration preferred);
- ADA compliant (including specified stringent ADA step height and gap requirements, level boarding preferred);
- Crash worthiness compliant with latest U.S. national codes and standards (others considered);
- Fire performance to National Fire Prevention Association (NFPA) 130;
- Emergency evacuation provisions;
- Video monitoring and recording;
- Automatic vehicle location / vehicle management system;
- Maintenance and diagnostic system;
- High reliability / availability;
- Low mean time to repair,
- Vehicle life (25 years minimum);
- Resilient wheels / other noise mitigation measures;
- Automatic passenger counting system;
- Ergonomic design to accommodate 5th percentile female to 95th percentile male.

2. Performance:

- Maximum operating speed: 55 mph;
- Acceleration rate: 3.0 miles per hour per second (mphps);
- Service braking rate: 3.0 mphps;
- Minimum mainline horizontal radius: 400 ft.;
- Minimum Yard & Shop horizontal radius: 150 ft.;
- Maximum grade: 6% or more.

INFORMATION PACKAGE FIRST PROJECT VEHICLE CHARACTERISTICS

3. Passenger Accommodations:

- Two wheelchair spaces (minimum / vehicle); tip-up seats provided in these areas;
- Dedicated space for luggage (including bicycles and surfboards);
- Minimum seated ratio: 50% of passenger floor area;
- Air conditioning;
- PA system with auto-announcer;
- Dynamic destination and passenger information displays;
- Passenger to OCC emergency communications.

4. Train Sets:

- Capable of running in both single and multiple unit coupled consists;
- Capable of failed train retrieval;
- Capable of bidirectional operation.

I - FUNCTIONALITY

1.	Please provide a brief product description of your system, including any special guideway general arrangements, cross sections and technical details.
2.	Are there any limitations with your system providing the required level of service along the First Project's 20 mile route selected and station spacing adopted? If so, please explain.
3.	Can your system carry a maximum of 9,000 pphpd during the peak periods? Please provide the number of vehicles per train, number of trains and headways for each case. Also identify the square feet per seated and standing passenger assumed.
4.	Can your system deliver an average end-to-end travel time of 40 minutes for the First Project with a 20 second dwell time at each station?

Attachment to Notice to Fixed Guideway System Suppliers Request for Information Honolulu High-Capacity Transit Corridor Project

5.	Can your system accommodate guideway switching and crossing over with main line headways? If your system is other than a conventional rail techn provide details of the guideway switching apparatus (from an existing open for both turnouts and crossovers, including general arrangement drawings, details and costs along with times to change routes.	ology, please rating system)
6.	If your system is other than a conventional rail technology, please provide layout and cross section of an existing storage yard and maintenance facilit of similar size and passenger loads.	a general ty for a system
7.	Can your system support future expansions and extensions?	
8.	Can other manufacturers provide interoperable vehicles in a future procure please provide the names of up to four other manufacturers of compatible of the c	
Attachm	nent to Notice to Fixed Guideway System Suppliers	9 of 19

9.	Can multiple manufacturers provide compatible interfacing systems equipment in a future procurement? If so, please provide the names of up to four other manufacturers of compatible train control/signaling, traction power distribution, propulsion and braking control equipment.
10.	 Would your system comply with federal and state regulations and requirements, including the following? Americans with Disabilities Act (ADA); Buy America Act; Hawaii Seismic Codes; Fire Protection and safety evacuation regulations (including NEPA 130).
11.	What features does your system offer which could reduce the impact of construction?
12.	Provide high resolution digital photograph(s) of your proposed system and proposed vehicles which are currently in service that can be used in presentations and publicly released reports (do not provide artist renderings).

Attachment to Notice to Fixed Guideway System Suppliers Request for Information Honolulu High-Capacity Transit Corridor Project

II - COSTS

13.	for pie guidev	r system requires a proprietary guideway, please provide a typical list of quantities irs, beams, walkways and guidance mechanisms for 450 linear feet of dual way with a clearance of 20 feet above ground level. (Assumptions should include oot long spans).
14.		provide information regarding actual costs of your vehicles and equipment for ransit systems recently built or in revenue service.
	•	Are there any unique costs or proprietary technology considerations associated with your technology (positive or negative)? Please explain:
	•	Please tell us if your system would reduce the costs associated with right-of-way acquisition and/or reduce the impacts to traffic and the community when compared to an elevated 28 foot wide guideway built on single piers at approximately 150 foot spacing. Please explain:

III - TECHNOLOGICAL MATURITY

15.	Has your proposed transit system been proven in revenue service for at least five years? Please provide information and local contacts regarding some of those locations.
16.	Please provide the status of any regulatory approvals required or pending.
17.	Please describe to what extent your technology uses proven and recognized off-the-shelf components and sub-components, which have been used in transit applications with similar levels of performance and reliability.
18.	Please describe the status of the engineering and detailed design of your transit system and identify any technology risks.

Attachment to Notice to Fixed Guideway System Suppliers Request for Information Honolulu High-Capacity Transit Corridor Project

19.	How do you typically guarantee the long term availability of replacement vehicles,
	systems equipment, and spare parts, as well as software support?

1.	Gene	ral:		
	•	Electric propulsion:	YES _	NO
	•	High floor:	YES _	NO
	•	Fully automatic train operation (manual back-up)	YES_	NO
	•	Bi-directional vehicles:	YES _	NO
	•	Third rail or equivalent current collection:	YES _	NO
	•	Dynamic braking:	YES _	NO
	•	Regenerative braking:	YES_	NO
	•	ADA compliant:	YES_	NO
	•	Level boarding:	YES_	NO
	•	Crash worthiness compliant:	YES _	NO
	•	Crash worthiness details provided:	YES _	NO
	•	Fire performance to NFPA 130:	YES_	NO
	•	Emergency evacuation provisions:	YES_	NO
	•	Video monitoring and recording:	YES _	NO
	•	Automatic vehicle location / VMS system:	YES _	NO
	•	Vehicle life:		_ years minimum
	•	Details of noise mitigation measures provided:	YES _	NO
	•	Vehicle maintenance and diagnostic system:	YES _	NO
	•	High reliability / availability:		mean time between train delays
	•	Low mean time to repair:		_ mean time to repair
	•	Expected vehicle life:		_years minimum
	•	Automatic passenger counting system:	YES _	NO
	•	Vehicle general arrangement drawings provided:	YES _	NO
	•	Vehicle cross sections provided:	YES _	NO
	•	Vehicle to guideway interface details provided:	YES_	NO
	•	Vehicle static clearance envelope provided:	YES_	NO
	•	Vehicle dynamic clearance envelope provided:	YES_	NO
	•	Vehicle length (over ends of vehicle):		_ft.
	•	Vehicle length (over extended couplers):	***************************************	_ft.
	•	Vehicle width (maximum carbody):		_ft.

Attachment to Notice to Fixed Guideway System Suppliers Request for Information Honolulu High-Capacity Transit Corridor Project

	•	Vehicle width (over door threshold):	***************************************	_ft.
	•	Vehicle height (maximum):		_ft.
	•	Maximum weight per vehicle (empty):		_lbs.
	•	Ergonomic design as specified:	YES_	NO
2.	Perf	ormance:		
	•	Maximum operating speed:		_ mph
	•	Maximum acceleration rate:		_ mphps
		Service braking rate:		_ mphps
	•	Emergency braking rate:		_ mphps
	•	Minimum horizontal radius curve:	·	_ ft.
	•	Minimum vertical radius curve:		_ft., crestft., sag
	•	Maximum grade:		_ % forft.
	•	Maximum sustained grade:		%
3.	Pass	enger Accommodations:		
	•	# of wheelchair spaces:		_ spaces
	•	Number of seats per car:		_ seats (tip-up seats may be included)
	•	Number of standees per car at design load of 4 passengers / m ² (AW2):		standees
	•	Total number of passengers per car (seated + stand at AW2 design load:	ees)	total passengers
	•	Air conditioned:	YES _	NO
	•	PA system with auto-announcer:	YES_	NO
	•	Passenger to OCC communications:	YES_	NO
	•	Destination and passenger information displays:	YES_	NO
4.	Trai	n Sets:		
	•	Capable of coupling to make multicar trains:	YES_	NO
	•	Capable of failed train retrieval:	YES _	NO
		Capable of bidirectional operation from each car:	YES _	NO

Attachment to Notice to Fixed Guideway System Suppliers Request for Information Honolulu High-Capacity Transit Corridor Project

INFORMATION PACKAGE SYSTEM CHARACTERISTICS QUESTIONNAIRE

1.	Suj	perelevat	ion Limits		
	Wh	at are the	e superelevation requirements of your sys	stem?	
	Ple	ase expla	in:		
2.	Ro	ute Geor	netric Constraints		
	Do	es your s	ystem meet the following criteria?		
		Mini	imum horizontal radii:		
			Maintenance Facility: 150 ft.;		
		_	Elevated Structure: 400 ft.		
	•	Min	imum horizontal lengths:		
		_	Curves: 100 ft.;		
			Tangents: 100 ft.;		
			Spirals: 100 ft.		
	•	Vert	ical alignment:		
		_	Maximum station grade: 1%;		
	Ifı	not, pl e as	e explain:		
3.	Hours	of Oper	ation:		
	Do	es your s	ystem meet the following?		
	•	4:00	a.m. to 12:00 a.m. service day;		
	•	6:00	a.m. to 9:00 a.m. morning peak;		
		3:00	p.m. to 6:00 p.m. evening peak.		
			-	YES	NO

Attachment to Notice to Fixed Guideway System Suppliers Request for Information Honolulu High-Capacity Transit Corridor Project

INFORMATION PACKAGE SYSTEM CHARACTERISTICS QUESTIONNAIRE

4.	Station D	imensions:		
	•	Platform length: 300 ft. maximum; with all door	s on platform	?
			YES	NO
		If not, please explain:		
5.	Emergen	cy Evacuation Walkways:		
	Does y	our system meet all of the following criteria?		
	•	Must be along entire guideway;		
	•	Must be accessible from vehicle;		
	•	Minimum evacuation walkway width: 2'-6";		
	•	Minimum evacuation walkway height: 6'-8",		
	•	Minimum maintenance walkway width: 2'-0",		
	•	Minimum maintenance walkway height: 6'-8",		
	•	Walkway width is clear of the vehicle dynamic e	envelope;	
	•	Walkway around switches meet state and local r	equirements.	
			YES	NO
	If not,	please explain:		
6.	Traction	Power:		
-	•	Power: Please provide Voltage and Distribution	Configuration	n;
	•	Substation spacing		
	•	Substation size:		

Attachment to Notice to Fixed Guideway System Suppliers Request for Information Honolulu High-Capacity Transit Corridor Project

INFORMATION PACKAGE SYSTEM CHARACTERISTICS QUESTIONNAIRE

	Can your system be supplied with a bi-directions manual back-up?	al fully automatic t	rain operation with				
	If not, please explain:	YES	NO				
	Please provide examples of existing installations in	Please provide examples of existing installations in revenue service:					
8.	Communications:						
	Radio system:	YES	NO				
	 Passenger communication system to OCC/ Operators: 	YES	NO				
	 On-board Closed Circuit Television: 	YES	NO				
	 Fire & emergency management system: 	YES	NO				
	 On-board ADA message system: 	YES	NO				
9.	Noise and Vibration:						
	 Can your system meet or exceed the levels: Transit Noise and Vibration Impact Assessed 75 dBA at stations? 						
		YES	NO				
	Please explain how this is achieved:						
	If not, please explain:						
	What noise level is achieved from your syst 55 mph, measured 50 feet from the guideward		evated guideway at				
		d	BA				
Rec	achment to Notice to Fixed Guideway System Suppliers quest for Information 10Iulu High-Capacity Transit Corridor Project		18 of 19				

INFORMATION PACKAGE SYSTEM CHARACTERISTICS QUESTIONNAIRE

ther	Characteristics:			
Doe	s your system provide t	he following?		
•		l meets all ADA requirer CFR Part 38, Transporta		
•	Meets all Buy Ame	rica requirements; and		
•	Cost-effective to op	erate and maintain.		
			YES	NO
Ifn	ot, please explain:			

Advanced Public Transport Systems (APTS) b.v. (Phileas)

P.O. Box 1015

NL-5700 MC Helmond

The Netherlands

Attention: Jos Jansen, Manager, Marketing & Sales

Telephone: +31-4-92-56-24-56 +31-4-92-56-23-38 Fax:

E-Mail: Website: josjansen@pdeautomotive.com

www.apts-phileas.com

ALSTOM Transport

1 Transit Drive

Hornell, NY 14843

Attention: Chris Davis, Marketing Manager

Telephone: (607) 281-2756 (607) 324-2641 Fax:

E-Mail: chris.davis@transport.alstom.com

www.transport.alstom.com Website:

AnsaldoBreda Transportation, Inc.

1461 Loveridge Road Pittsburg, CA 94565

Attention: Lorenzo Reffreger, Director, Marketing & Sales

Telephone: (415) 568-2712

(415) 568-2720 Fax:

Ireffreger@ansaldobredainc.com E-Mail:

www.ansaldobredainc.com Website:

Bombardier Transportation

3260 Tillman Drive

Suite 110

Bensalem, PA 19020

Attention: Maryanne Roberts, Director, Business Development & Sales

Telephone: (215) 639-1444, Ext. 104

(215) 639-3724 Fax:

maryanne.roberts@us.transport.bombardier.com E-Mail:

www.bombardier.com Website:

CAF USA

1401 K Street, NW

Suite 803

Washington, DC 20005-3418

Attention: Virginia Verdeja, Vice President of Sales

Telephone: (202) 898-4848, Ext. 401

Fax:

(202) 216-8929

E-mail:

virginia.verdeja@cafusa.com

Website:

www.caf.net

Chubu HSST Development Corporation

3-14 Kafuku-Cho

Minami-Ku

Nagoya 457-0837

Japan

Attention: Michio Takahashi, Director / Ken Takao, Project Director

TEL:

+81-52-569-1453 / +81-213-488-8353

FAX: E-mail: +81-52-569-1454 / +81-213-624-8446

Website:

ken.takao@itochu.com www.hsst.jp/linimo e.htm

Colorado Railcar Manufacturing LLC

35715 Highway 40

D202

Evergreen, CO 80439

Attention: Arthur Rader, Director of Sales

TEL:

(303) 670-1585

FAX:

(303) 670-4124

E-mail:

sales@coloradorailcar.com

Website:

www.coloradorailcar.com

HITACHI, LTD.

Akihabara Daibiru Building,

18-13 Soto-Kanda 1-chome,

Chiyoda-ku, Tokyo,

101-8618 Japan

Attention: Overseas Marketing Department,

Transportation Systems Sales Division

TEL:

+81-3-4564-4105

FAX:

+81-3-4564-6252

E-mail:

None available

Website:

www.hitachi-rail.com

Hitachi America, Ltd.

Eastern Regional Center

Power & Industrial Division

50 Prospect Avenue

Tarrytown, NY 10591-4698 Attention: Keith Kobayashi

TEL:

(914) 524-6621

FAX: E-mail: (914) 332-5388 None available

Website:

www.hitachi-rail.com

Inekon Group A.S.

U Pruhonu 773/12 170 00 Praha 7

Czech Republic

Attention: Mr. Milan Haloun, Project Manager

Telephone: +420-2-83-105-137

Fax:

+420-2-83-105-105 haloun@inekon.cz

E-Mail: Website:

www.inekon.cz/showdoc.do?docid=284

(CIVIS) Irisbus

Rue des Combats du 24 Août 1944

F - 69200 Vennissieux Cedex

France

Attention: None available

Tel:

+33-4-72-96-04-58

Fax:

+33-4-72-96-00-22

E-mail:

info@irisbus.com

Website:

www.irisbus.com

ITOCHU International, Inc.

(trading company)

335 Madison Avenue New York, NY 10017

Attention: Tsuyoshi Okada

Tel: Fax: (212) 818-8000 (212) 818-8543

E-mail:

tsuyoshi.okada@itochu.com

Website:

www.itochu.com

Kawasaki Rail Car, Inc.

29 Wells Avenue

Building No. 4

Yonkers, NY 10701

Attention: Jitendra Singh Tomar, Manager, Marketing & Business Development

Telephone: (914) 376-4700 Ext. 7079

Fax:

(914) 376-4779

E-Mail:

tomar@kawasakirailcar.com or

kawasakirailcar@kawasakirailcar.com

Website:

www.kawasakirailcar.com

Kinki Sharyo International, LLC

2100 Garden Drive

Suite 201

Mars. PA 16046

Attention: John T. Pekarcik, Vice President, Program Management & Business

Development

Telephone: (724) 778-0100

Fax:

(724) 915-8728

E-Mail:

pekarcik@killc.com

Website:

www.kinkisharyo.co.jp/e index.htm

Lohr Group

(Translohr)

29 Rue du 14 Juillet BPI Hangenbieten

F-67838 Tanneries Cedex

France

Attention: None available

Tel: +33-3-88-38-98-00

Fax:

+33-3-88-96-06-36

E-mail:

translohr@lohr.fr

Website:

www.lohr.fr/transport public gb.htm

Mitsubishi Transportation Systems

630 Fifth Avenue

Suite 3155

New York, NY 10111

Attention: None available

Tel:

(212) 397-6132

Fax:

(212) 262-2113

E-mail:

None available

Website:

www.mhi.co.jp/machine/e/machine/product/trans/index.htm

Mitsui & Co. (U.S.A.), Inc.

(trading company)

Second Machinery Department 1001 Fourth Avenue, Suite 3950

Seattle, WA 98154-1196

Attention: Clint Jordan, Senior Marketing Manager

Fax:

Telephone: (206) 223-5636 (206) 223-5651

E-mail:

cjordan@sea.mitsui.com

Website:

www.mitsui.com

Nippon Sharyo USA, Inc.

Transportation Equipment Division 2340 S. Arlington Heights Road

Suite 605

Arlington Heights, IL 60005

Attention: Frank Mochizuki, President

Phone:

(847) 228-2700

Fax:

(847) 228-5530

E-mail:

Mochizuki@nipponsharyo.com

Website:

www.nipponsharyo.com

Rotem USA Corp.

One Crescent Drive

Suite 102

Navy Yard Corporate Center

Philadelphia, PA 19112

Attention: Jack Martinson, VP Business Development

Tel:

(215) 227-6836

Fax:

(215) 227-6837

E-mail:

imartinson@rotemusa.com

Website:

www.rotem.co.kr

Siemens Transportation Systems, Inc.

7464 French Road

Sacramento, CA95828

Attention: Lori Hess, Director, Marketing & Business Development

Telephone: (916) 681-3000

Fax:

(916) 681-3006

E-Mail:

information.stsi@siemens.com

Website:

www.usa.siemens.com/transportation

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12/5/2007

Sumitomo Corporation of America

600 Third Avenue

New York, NY 10016-2001

Attention: Michihisa Shinigawa, President / CEO

Tel:

(212) 207-0567

Fax: E-mail:

(212) 207-0813 scoa@scoa.corp

Website:

www.sumitomocorp.com

Talgo Inc.

505 5th Avenue South

Suite 630

Seattle, WA 98104

Attention: Antonio Perez, President

Telephone: (206) 748-6140

Fax:

(206) 748-6147

E-mail:

info@talgoamerica.com

Website:

www.talgo.com

Tokyu Car Corporation

Railway Sales Department

3-1 Ohkawa

Kanazawa-ku

Yokohama

236-0043 Japan

Attention: None available

Telephone: +81-3-3436-1260

Fax:

None available

E-mail:

Queries can be made via website

Website:

www.tokyu-car.co.jp/eng/index.html

United Streetcar LLC (Skoda partner – now manufactures Skoda streetcars)

9700 Lawnfield Road Clackamas, OR 97015

Attention: Chandra Brown, President

Telephone: (503) 653-6300

Fax:

(503) 653-5870

E-mail:

cbrown@unitedstreetcar.com

Website:

www.unitedstreetcar.com

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12/5/2007

REQUEST FOR INFORMATION (RFI-001) TO SUPPLIERS OF FIXED GUIDEWAY VEHICLES

Honolulu, Hawaii

December 20, 2007

Addendum No. 1

Responses to comments submitted as of December 18, 2007 regarding the above-mentioned Request for Information are included in the Attachment.

WENDY K. IMAMURA

Purchasing Administrator

WKI:sy

Attach.

CITY AND COUNTY OF HONOLULU RFI 001 COMMENT FORM

No.	Part	Section	Comment(s)	Reserved for City Response
	Technology Characteristics Questionnaire	1.0	Hawaii Seismic Codes – What is meant by earthquake performance?	The requirements would be satisfied by a system designed to withstand moderate earthquake demands (UBC Zone 2B, PGA=0.18g), and be operable shortly after the event. The supplier is being asked to verify that their proposed technology and supporting infrastructure has been constructed in seismically active area(s) comparable to Honolulu.
2	RFI	Deadline and Instructions	Can the response submittal date be extended 60 days until March 11, 2008?	No. Responses are due on January 11, 2008.
3	RFI	General	What is the intent of the RFI? Is this the first step in a formal procurement? What are the obligations of the manufacturers with regard to the RFI and responses to it?	The intent of the RFI is to provide a mechanism for the City and County of Honolulu (City) to gather information on various fixed guideway transit vehicle technologies without going through a formal procurement process. The information submitted will assist the City in selecting the technology on which to base environmental analyses for the Honolulu High-Capacity Transit Corridor Project. Manufacturers are under no obligation to respond to this RFI in order to participate in future procurements. Additionally, neither the City nor any respondent to the RFI has any obligation to the other under the RFI now or in the future.
4	RFI	General	Is it the intent of the City to issue NTP in Mid 2009?	Under the City's current schedule, NTP is anticipated in mid-2009. However, the City has no obligation under the RFI to be held to this schedule.
5	RFI	General	When does the City expect delivery of the first vehicle, and what is the proposed delivery rate.	The contract delivery schedule has not been determined at this time.

Honolulu High Capacity Transit Corridor Project Request for Information 001

Comment Form: Responses to comments submitted as of December 18, 2007

Page 1 of 2

CITY AND COUNTY OF HONOLULU RFI 001 COMMENT FORM

No.	Part	Section	Comment(s)	Reserved for City Response
6	RFI.	General	Our product is a tramway. Please explain your RFI in respect to our product.	The City has requested responses from all fixed guideway vehicle suppliers to acquire information to assist in its technology decision-making. Suppliers are requested to provide information and examples of how their technology will achieve the system characteristics identified in the RFI, if possible. Manufacturers are under no obligation to respond to this RFI in order to participate in future procurements.
7	RFI	General	We do not offer products you are inquiring about. Our product is heavy rail vehicles.	See response to Comment #6, above.
8	RFI	General	Is the RFI 001 available in Microsoft Word format and may it be sent to me?	For security purposes, the City is not able to send RFI001 in Microsoft Word format. Please download and print the RFI accordingly

Honolulu High Capacity Transit Corridor Project Request for Information 001 Comment Form: Responses to comments submitted as of December 18, 2007

REQUEST FOR INFORMATION (RFI-001) TO SUPPLIERS OF FIXED GUIDEWAY VEHICLES

Honolulu, Hawaii

December 21, 2007

Addendum No. 2

Responses to comments submitted as of December 20, 2007 regarding the above-mentioned Request for Information are included in the Attachment.

(Note: Addendum No. 2 covers Item Nos. 9 through 11)

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WENDY K. IMAMURA
Purchasing Administrator

WKI:sy

Attach.

RFI COMMENT FORM

No.	Part	Section	Comment(s)	Reserved for City Response
	Technology Characteristics Questionnaire	10	Hawaii Seismic Codes – What is meant by earthquake performance?	The requirements would be satisfied by a system designed to withstand moderate earthquake demands (UBC Zone 2B, PGA=0.18g), and be operable shortly after the event. The supplier is being asked to verify that their proposed technology and supporting infrastructure has been constructed in seismically active area(s) comparable to Honolulu.
2	RFI	Deadline and Instructions	Can the response submittal date be extended 60 days until March 11, 2008?	No. Responses are due on January 11, 2008.
3	RFI	General	What is the intent of the RFI? Is this the first step in a formal procurement? What are the obligations of the manufacturers with regard to the RFI and responses to it?	The intent of the RFI is to provide a mechanism for the City and County of Honolulu (City) to gather information on various fixed guideway transit vehicle technologies without going through a formal procurement process. The information submitted will assist the City in selecting the technology on which to base environmental analyses for the Honolulu High-Capacity Transit Corridor Transportation Project. Manufacturers are under no obligation to respond to this RFI in order to participate in future procurements. Additionally, neither the City nor any respondent to the RFI has any obligation to the other under the RFI now or in the future.
4	RFI	General	Is it the intent of the City to issue NTP in Mid 2009?	Under the City's current schedule, NTP is anticipated in mid-2009. However, the City has no obligation under the RFI to be held to this schedule.
5	RFI	General	When does the City expect delivery of the first vehicle, and what is the proposed delivery rate.	The contract delivery schedule has not been determined at this time.

Honolulu High Capacity Transit Corridor Project Request for Information 001

Comment Form: Responses to comments submitted as of December 20, 2007

City and County of Honolulu

No.	Part	Section	Comment(s)	Reserved for City Response
6	RFI	General	Our product is a tramway. Please explain your RFI in respect to our product.	The City has requested responses from all fixed guideway vehicle suppliers to acquire information to assist in its technology decision-making. Suppliers are requested to provide information and examples of how their technology will achieve the system characteristics identified in the RFI, if possible. Manufacturers are under no obligation to respond to this RFI in order to participate in future procurements.
7	RFI	General	We do not offer products you are inquiring about. Our product is heavy rail vehicles.	See response to Comment #6, above.
8	RFI	General	Is the RFI 001 available in Microsoft Word format and may it be sent to me?	For security purposes, we will not able to send RFI001 in Microsoft Word format. Please download and print the RFI accordingly
9	RFI	General	What is the format in which presentations should be presented: hard copy, video, DVD, or all of the above?	Responses to the RFI questionnaires are requested to be in electronic format using standard file formats such as Microsoft Word, Excel or PowerPoint or in Adobe PDF equivalents. Drawings should be in an Adobe PDF file format. No electronic executable files, e.g. files with .zip or .exe name extensions, will be accepted. Supplemental presentation information can be provided in any format, e.g. video or DVD. Hard copies of the responses, drawings, and supplemental information will also be accepted.
10	RFI	General	Are their any special requirements or expectations that should be considered in completing the RFI?	There are no special requirements or expectations. The City is hopeful that the responses to the questionnaires will be as complete as possible.
11	RFI	General	Will there be an opportunity to follow-up with an in-person presentation?	The City may contact individual suppliers for clarification of their responses, but does not plan to schedule formal presentations from the suppliers at this time.

Honolulu High Capacity Transit Corridor Project Request for Information 001 Comment Form: Responses to comments submitted as of December 20, 2007

Page 2 of 2

REQUEST FOR INFORMATION (RFI-001) TO SUPPLIERS OF FIXED GUIDEWAY VEHICLES

Honolulu, Hawaii

December 26, 2007

Addendum No. 3

Responses to comments submitted as of December 25, 2007 regarding the above-mentioned Request for Information are included in the Attachment.

(Note: Addendum No. 3 covers Item Nos. 12 and 13)

WENDY K. IMAMURA Purchasing Administrator

WKI:sy

Attach.

No.	Part	Section	Comment(s)	Reserved for City Response
1.	Technology Characteristics Questionnaire	10	Hawaii Seismic Codes – What is meant by earthquake performance?	The requirements would be satisfied by a system designed to withstand moderate earthquake demands (UBC Zone 2B, PGA=0.18g), and be operable shortly after the event. The supplier is being asked to verify that their proposed technology and supporting infrastructure has been constructed in seismically active area(s) comparable to Honolulu.
2	RFI	Deadline and Instructions	Can the response submittal date be extended 60 days until March 11, 2008?	No. Responses are due on January 11, 2008.
3	RFI	General	What is the intent of the RFI? Is this the first step in a formal procurement? What are the obligations of the manufacturers with regard to the RFI and responses to it?	The intent of the RFI is to provide a mechanism for the City and County of Honolulu (City) to gather information on various fixed guideway transit vehicle technologies without going through a formal procurement process. The information submitted will assist the City in selecting the technology on which to base environmental analyses for the Honolulu High-Capacity Transit Corridor Transportation Project. Manufacturers are under no obligation to respond to this RFI in order to participate in future procurements. Additionally, neither the City nor any respondent to the RFI has any obligation to the other under the RFI now or in the future.
4	RFI	General	Is it the intent of the City to issue NTP in Mid 2009?	Under the City's current schedule, NTP is anticipated in mid-2009. However, the City has no obligation under the RFI to be held to this schedule.
5	RFI	General	When does the City expect delivery of the first vehicle, and what is the proposed delivery rate.	The contract delivery schedule has not been determined at this time.

Honolulu High-Capacity Transit Corridor Project Request for Information 001

Comment Form: Responses to comments received as of December 25, 2007

Page 1 of 3

No.	Part	Section	Comment(s)	Reserved for City Response
6	RFI	General	Our product is a tramway. Please explain your RFI in respect to our product.	The City has requested responses from all fixed guideway vehicle suppliers to acquire information to assist in its technology decision-making. Suppliers are requested to provide information and examples of how their technology will achieve the system characteristics identified in the RFI, if possible. Manufacturers are under no obligation to respond to this RFI in order to participate in future procurements.
7	RFI	General	We do not offer products you are inquiring about. Our product is heavy rail vehicles.	See response to Comment #6, above.
8	RFI	General	Is the RFI 001 available in Microsoft Word format and may it be sent to me?	For security purposes, we will not able to send RFI001 in Microsoft Word format. Please download and print the RFI accordingly
9	RFI	General	What is the format in which presentations should be presented: hard copy, video, DVD, or all of the above?	Responses to the RFI questionnaires are requested to be in electronic format using standard file formats such as Microsoft Word, Excel or PowerPoint or in Adobe PDF equivalents. Drawings should be in an Adobe PDF file format. No electronic executable files, e.g. files with .zip or .exe name extensions, will be accepted. Supplemental presentation information can be provided in any format, e.g. video or DVD. Hard copies of the responses, drawings, and supplemental information will also be accepted.
10	RFI	General	Are their any special requirements or expectations that should be considered in completing the RFI?	There are no special requirements or expectations. The City is hopeful that the responses to the questionnaires will be as complete as possible.
11	RFI	General	Will there be an opportunity to follow-up with an in-person presentation?	The City may contact individual suppliers for clarification of their responses, but does not plan to schedule formal presentations from the suppliers at this time.
12	RFI	General	Should the completed Information Package be submitted in both electronic format and hard copy?	The completed Information Package can be submitted in either electronic format or hard copy, although submittal by electronic format is preferred.

Honolulu High-Capacity Transit Corridor Project Request for Information 001

Comment Form: Responses to comments received as of December 25, 2007

Page 2 of 3

No.	Part	Section	Comment(s)	Reserved for City Response
13	RFI	General	Although Addendum #2 states that the submittal deadline remains at January 11, 2008, there are rumors there will be an extension. Is there going to be an extension of the deadline?	The City does not intend to extend the January 11, 2008 deadline at this time.

Honolulu High-Capacity Transit Corridor Project Request for Information 001 Comment Form: Responses to comments received as of December 25, 2007

REQUEST FOR INFORMATION (RFI–001) TO SUPPLIERS OF FIXED GUIDEWAY VEHICLES

Honolulu, Hawaii

January 4, 2008

Addendum No. 4

The following change is hereby made and incorporated as part of Request for Information (RFI-001):

The deadline for submittals has been postponed from "Friday, January 11, 2008, 4:00 PM, Hawaii Standard Time" to "Thursday, January 24, 2008, 4:00 PM, Hawaii Standard Time".

(Note: Addendum No. 4 covers Item No. 14)

WENDY K. IMAMURA Purchasing Administrator

WKI:sy

Attach.

No.	Part	Section	Comment(s)	Reserved for City Response
1	Technology Characteristics Questionnaire	10	Hawaii Seismic Codes – What is meant by earthquake performance?	The requirements would be satisfied by a system designed to withstand moderate earthquake demands (UBC Zone 2B, PGA=0.18g), and be operable shortly after the event. The supplier is being asked to verify that their proposed technology and supporting infrastructure has been constructed in seismically active area(s) comparable to Honolulu.
2	RFI	Deadline and Instructions	Can the response submittal date be extended 60 days until March 11, 2008?	No. Responses are due on January 11, 2008.
3	RFI	General	What is the intent of the RFI? Is this the first step in a formal procurement? What are the obligations of the manufacturers with regard to the RFI and responses to it?	The intent of the RFI is to provide a mechanism for the City and County of Honolulu (City) to gather information on various fixed guideway transit vehicle technologies without going through a formal procurement process. The information submitted will assist the City in selecting the technology on which to base environmental analyses for the Honolulu High-Capacity Transit Corridor Transportation Project. Manufacturers are under no obligation to respond to this RFI in order to participate in future procurements. Additionally, neither the City nor any respondent to the RFI has any obligation to the other under the RFI now or in the future.
4	RFI	General	Is it the intent of the City to issue NTP in Mid 2009?	Under the City's current schedule, NTP is anticipated in mid-2009. However, the City has no obligation under the RFI to be held to this schedule.
5	RFI	General	When does the City expect delivery of the first vehicle, and what is the proposed delivery rate.	The contract delivery schedule has not been determined at this time.

Honolulu High Capacity Transit Corridor Project Request for Information 001

Comment Form: Responses to comments received as of January 3, 2008

Page 1 of 3

No.	Part	Section	Comment(s)	Reserved for City Response
6	RFI	General	Our product is a tramway. Please explain your RFI in respect to our product.	The City has requested responses from all fixed guideway vehicle suppliers to acquire information to assist in its technology decision-making. Suppliers are requested to provide information and examples of how their technology will achieve the system characteristics identified in the RFI, if possible. Manufacturers are under no obligation to respond to this RFI in order to participate in future procurements.
7	RFI	General	We do not offer products you are inquiring about. Our product is heavy rail vehicles.	See response to Comment #6, above.
8	RFI	General	Is the RFI 001 available in Microsoft Word format and may it be sent to me?	For security purposes, we will not able to send RFI001 in Microsoft Word format. Please download and print the RFI accordingly
9	RFI	General	What is the format in which presentations should be presented: hard copy, video, DVD, or all of the above?	Responses to the RFI questionnaires are requested to be in electronic format using standard file formats such as Microsoft Word, Excel or PowerPoint or in Adobe PDF equivalents. Drawings should be in an Adobe PDF file format. No electronic executable files, e.g. files with .zip or .exe name extensions, will be accepted. Supplemental presentation information can be provided in any format, e.g. video or DVD. Hard copies of the responses, drawings, and supplemental information will also be accepted.
10	RFI	General	Are their any special requirements or expectations that should be considered in completing the RFI?	There are no special requirements or expectations. The City is hopeful that the responses to the questionnaires will be as complete as possible.
11	RFI	General	Will there be an opportunity to follow-up with an in-person presentation?	The City may contact individual suppliers for clarification of their responses, but does not plan to schedule formal presentations from the suppliers at this time.

Honolulu High Capacity Transit Corridor Project Request for Information 001 Comment Form: Responses to comments received as of January 3, 2008

Page 2 of 3

No.	Part	Section	Comment(s)	Reserved for City Response
12	RFI	General	Should the completed Information Package be submitted in both electronic format and hard copy?	The completed Information Package can be submitted in either electronic format or hard copy, although submittal by electronic format is preferred.
13	RFI	General	Although Addendum #2 states that the submittal deadline remains at January 11, 2008, there are rumors there will be an extension. Is there going to be an extension of the deadline?	The City does not intend to extend the January 11, 2008 deadline at this time.
14	RFI	General	We request an extension to the due date given the time lost in downloading the RFI and the holiday period.	The City recognizes that time lost during the holiday period may adversely affect the quality of the responses. Accordingly, the City hereby extends the deadline to Thursday, January 24, 2008, 4:00 p.m. Hawaii Standard Time. Supplier responses are encouraged to be as thorough as possible. The City reserves the right to contact respondents for additional generic information.

Honolulu High Capacity Transit Corridor Project Request for Information 001 Comment Form: Responses to comments received as of January 3, 2008